

## I CLAIM:

1. An electro-luminescent device of a mobile phone having a battery compartment comprising  
a luminescent disc disposed on the battery compartment of the mobile  
5 phone;  
a signal-receiving unit for receiving high frequency signals of the mobile phone;  
an automatic control unit connected to the signal-receiving unit for filtering, rectification of the corresponding high frequency signals and  
10 for the production of flickering signal and for calculation;  
a display-switching driving unit connected to the automatic control unit and the luminescent disc to drive the luminescent disc; and  
a reverse-change voltage-elevating unit connected to the automatic control unit and the luminescent disc to provide the high voltage  
15 required by the luminescent disc.
2. The electro-luminescent device of a mobile phone of claim 1, wherein the display switching driving unit includes a plurality of transistors and a diode.
3. The electro-luminescent device of a mobile phone of claim 2, wherein  
20 the reverse-change voltage-elevating unit is a RCL oscillation circuit

includes resistance, capacitance and transformers.